

MARSHALL STAR

Serving the Marshall Space Flight Center Community

May 16, 2002

Photo by Doug Stoffer, NASA/Marshall Space Flight Center

'Forecasting' space weather

NASA, university scientists see prediction of solar storms in future

by Sherrie Super

uch like tornado watchers look to the skies for clues that a twister is forming, NASA and university scientists are watching the Sun in an effort to better predict space weather -- blasts of particles from the Sun that impact the magnetosphere, the magnetic bubble around the Earth.

Based at the National Space Science and Technology Center in Huntsville, this research unites scientists from the Marshall Center and the University of Alabama in Huntsville.

Like severe weather on Earth, severe space weather can be costly. When massive solar explosions, known as coronal mass ejections, blast through the Sun's outer atmosphere and plow toward Earth at speeds of thousands of miles per second, the resulting effects can be harmful to communication satellites and astronauts outside the Earth's magneto-

sphere.

On the ground, the magnetic storm wrought by these solar particles can knock out electric power.

A study by scientists at the National Space Science and Technology Center, published in the April 20 issue of the "Astrophysical Journal," is offering new insight on these solar storms and how to better predict them.

One of the study's authors, Dr. David Falconer, compares potential solar-storm prediction techniques to methods used for predicting thunder-

See Weather on page 5



Celebrating heritage

Jessica Rigsby with her great-grandmother, Lan Tran, helped celebrate Asian Pacific American Heritage Month during recent festivities at the Marshall Center. For more on the event, see page 4.

National 'Bike to Work Day' Friday

by Jamie Miernik and Clara Welch

untsville Mayor Loretta Spencer has recognized May as National Bike Month, which supports increased safety, awareness and acceptance of bicycling throughout the country.

This is the 46th consecutive year the 122-year-old League of American Bicyclists has promoted this event. Friday has been declared "Bike-to-Work Day," sponsored annually by the group.

Challenges facing bicycle commuters are safety and logistics. Redstone Arsenal features a bucolic 6-mile bike and pedestrian trail, which provides a peaceful and safe commute for employees living east or northeast of the Arsenal.

There are shower facilities to accommodate bicycle commuters in Bldg. 4666; the men's restroom in Bldg. 4612; Bldg. 4315; and in both gender restrooms in

See Bike on page 3

E-learning launch May 29

he Customer & Employee
Relations (CaER), Employee and
Organizational Development
Department (EODD) will launch a centerwide e-learning effort in two sessions
Wednesday, May 29th in Bldg. 4200,
Room G13. The sessions are at 9 a.m. and
1:30 p.m.

Employees will have an opportunity to See e-learning on page 3

Guess who?

New feature debuts in Star

very person has a favorite memory. Some remember when gas was pennies a gallon and Frank Sinatra or Nat King Cole was the latest sensation. Others remember hot rods, The Beatles and James Brown. All of this still might be ancient history to some Marshall employees who grew up with disco or '80s hair bands providing the soundtrack for their youth.

Against these backdrops were ball games, first dates or perhaps a memory of a really cool toy from a long-ago birthday party. Many of these memories were photographed.

Since photographs, often taken on a whim, offer a glimpse into something every Marshall Center employee shares – a favorite memory – the Marshall Star would like to share these memories with its readers.

Beginning in this issue, the Marshall Star will feature an old photograph of a Center team member –



Who am I?

I was born in Hackleberg, Ala., became a Brownie Girl Scout, junior high cheerleader and winner of the Miss Junior 1 Beauty Contest.

civil service or contractor – and ask the question "Who am I?"

Team members will be randomly selected and contacted by Michael McLean in the Internal Relations and Communications Department. For information on this new feature, call McLean at 544-0397.

Photos can be a team member's baby picture, or playing a sport, of a favorite birthday, getting married, in military service – just about anything. Photographs with copyright restrictions, usually those taken by a professional studio, cannot be accepted. All photos will be returned to those choosing to participate.

When space allows, the Marshall Star will run a photograph and clues provided by the participant. Readers can "guess who" their co-worker is. Near the back of the Star, a current photo and information about the participant will be published.

It is hoped this will be a fun feature for Star readers and a way for even more of the Center's team members to be recognized for their accomplishments. Of course, for this to be successful, the Star needs participants. Join in the fun.

Shuttle crew visit helps Tennessee students set goals

by Jonathan Baggs

hen the crew of the STS-109 mission walked onto the stage in Morris Auditorium at the Marshall Center recently, 34 middle school students got their first up-close look at real, live astronauts.

Marshall Deputy Director Jim Kennedy welcomed the students from Moore County Middle School in Lynchburg, Tenn.

Juliet Sisk, the school's science and aerospace educator, said it was the third time she has brought a class to Marshall to meet a Space Shuttle crew. Last week's class already had studied six weeks of aerospace education material that included the history of manned flight, as well as participating in hands-on activities such as building actual flying models and visiting aerospace museums.

The students lined up to get autographs and chat briefly with the STS-109 crew.

Afterward, some of the students said they were glad to find that astronauts were once students with a dream too.

"Experiences like this show the students that they can achieve anything they set their minds on," Sisk said. "They get to see the astronauts as real people and are not so much in awe – that they too can do it if they put in the effort and education."

As he clutched a signed photo from the crew, Michael Norman, 13, said, "I'm going to frame it. It was an honor."

Norman said he wants to be an electrician and the aerospace classes are helpful. "I need to know this stuff too."

John Gregory, 13, was still a little awestruck after getting a photo signed. "I was honored to actually be in the same room with an astronaut," he said. "I didn't think they'd be quite as nice as they are. I see them so much as extraordinary human beings who have accomplished so much in

their lives."

Does Gregory think he can be an astronaut too?

"I don't know," Gregory said. "I'm going to be a chemist. I love science. I have a chemistry set at home."

Astronaut John Grunsfeld said he advises students to study a lot of math and science whether they want to be astronauts or not. "It forms the basis for so many things. I'd advise them to try and find something that they love doing and then be the best at it that they can. If they find something they love doing and work real hard at it, then that's the basis for a happy life."

Sisk said she looks forward to another opportunity to bring a class to the Marshall Center. "Any time they give me a chance, I'll be here.

The writer, employed by ASRI, is the editor of the Marshall Star.

Bike

Continued from page 1 Bldg. 4607.

Huntsville and the Army have been receptive to the cycling community's requests to provide safer accommodations for commuting and bicycling recreation.

The new Martin Road expansion from Memorial Parkway to Gate 1 is expected to have smooth shoulders for safer bicycle travel. The city recently dedicated its first officially signed bicycle route along Bradford and Holmes Avenue. There also are two urban greenway bike/pedestrian paths — Indian Creek Greenway in west Huntsville and the Aldrich Creek Greenway in south Huntsville — that provide a north-south cycling route to the Tennessee River.

Bicyclists operate according to the same rules as motor vehicles, instead of by pedestrian rules, because the rules for drivers have been shown to be safer. Statistics show that riding a bike facing traffic is the most dangerous and causes many accidents, especially at intersections, because other drivers do not expect traffic to come from the wrong direction.

Here are a few tips on bicycling to work: Plan your route since it may not be the same one you usually drive. If you live too far away, find a good place to park and ride your bicycle from there. Be visible by wearing a bright, reflective vest, shirt or jacket. Allow enough time for your commute and don't forget to tuck your NASA badge in an accessible pocket.

Both Redstone Arsenal and the Marshall Center require bicyclists to wear helmets and headlights are required after dark. Personal headsets are prohibited. All backpacks will be inspected.

Since bicyclists should follow the same rules of the road as motorists, familiarize yourself with road and cycling etiquette to ensure a smooth and safe ride.

For more information on bicycling and the League of American Bicyclists, go to http://www.bikeleague.org/ and for information on bicycling in Huntsville, go to www.springcity.org.

Jamie Miernik works for ERC, Inc., supporting the Engineering Directorate and Clara Welch is a Marshall employee in the Flight Projects Directorate.

Could It Happen To You?

Web site offers employee stories of mishaps

Submitted by the Marshall Industrial Department

new Web site sponsored by the Safety Health & Environmental Communications Team offers Marshallemployee stories of real-life emergencies to teach others how to apply "lessons learned."

Many employees have been involved in accidents and close calls or have seen or heard of misfortune striking others. These events can teach a lot about how to protect ourselves and our loved ones and better ways to approach everyday activities – if we know about them.

Some of the stories tell of being in a shopping center with no protective area available during severe weather or of a spouse choking on food. Other stories recount an employee in heavy traffic and rounding a curve to find large debris in the lane. Still another offers an account of a toddler falling into a swimming pool.

Could it happen to you?

Written by employees, for employees, the stories on the "It Could Happen To You!" database recount real-life events that happened to coworkers. These people believe that if it happened to them, then it could happen to you. By sharing the lessons learned from their experience, they seek to spare you some of the fear and misery that they went through.

Safety has always been the art and science of applying lessons learned. In this case, though, we aren't looking at regulations, rules and policies. The stories recorded in the "It Could Happen To You!" database are more about the choices we make in living and working and being prepared to deal with unexpected and dangerous events.

Visit the "It Could Happen To You!" database at https:// msfcsma3.msfc.nasa.gov/dbwebs/apps/igc/index.asp and read a couple of stories. See if you can gain some new insight into the hazards that surround us everywhere we go. While you're there, add a story from your own experience. You never know, your story might save a life.

e-learning

Continued from page 1

try out the courses and learn about other Marshall Center and NASA training programs.

The e-learning library includes more than 1,700 interactive online programs in the areas of information technology, certification, business and interpersonal skills. Content is continuously updated and technical assistance is available

seven-days-a-week, 24-hours-a-day.

"I think people are going to be impressed with both the quality and quantity of programs available," said John Heath of the Employee & Organizational Development Department. "The courseware is easy to use and is available whenever you need it. It really puts the power of learning in your hands."

The e-learning library also provides

real-time collaboration with a network of mentors and discussion-groups and other online resources.

Intended for civil service employees, a limited number of user accounts will be available to contract team members. For additional information on the program, call 544-2622.

Asian Pacific American Heritage Month brings taste of the exotic to Marshall Center

ay is Asian Pacific American Heritage Month as proclaimed by President Bush. The Marshall Center celebrated with authentic food, folk dancing, a fashion show and martial arts demonstrations. Astronaut Dr. Eugene Trinh, who trained at Marshall for his Spacelab STS-50 mission in 1992, was the guest speaker. Trinh now is director of the Physical Sciences Division at NASA Headquarters.



Bonnchuay Dietrick



Keynote speaker Dr. Eugene Trinh, center, with, from left, Huu Trinh and Dr. Diep Trinh.



Luz Ladrillono sings "The Star Spangled Ranner"



Marshall's Dr. Alan Chow opens the celebration.



Performing a traditional candle dance are, from left, Suneerat Blair, Pat Myers, Wan Swann and Bonnchuay Dietrick.



Vera Ellis-Vergara

Weather

Continued from page 1

storms and tornadoes on Earth.

"When we look up at clouds, we can identify those with the potential to bring severe weather," he said. "If the sky is clear, or filled with hazy Cirrus clouds, there is a low likelihood of severe weather. On the other hand, we can use special equipment to observe the surface of the Sun, enabling us to glean clues on what severe space weather might be forming."

Fortunately, people on Earth aren't without protection from space weather. "Our planet's magnetosphere protects us from the worst of a solar storm's fury," said Marshall solar scientist Dr. Ron Moore.

Filled by charged particles trapped in Earth's magnetic field, the spherical comet-shaped magnetosphere extends out 40,000 miles from Earth's surface in the sunward direction and more in other directions.

"But when severe particle streams slam against the magnetosphere, we see the effects," Moore said.

This research builds on the 1999 "S marks the spot" finding, made by researchers at Montana State University-Bozeman and the Solar Physics Research Corporation in Tucson. They discovered that regions of the Sun with an obvious global twist to the magnetic fields are more likely to erupt in a coronal mass ejection than regions with no discernable global twist.

In short, these ejections occur when solar magnetic field lines snake around each other, forming the letter "S." Usually, they go past each other. But if they connect, it's like a short circuit. The midsection breaks loose and drives out a coronal mass ejection.

Using the Solar Vector Magnetograph, a solar-observation facility at the Marshall Center, scientists monitored active areas of strong magnetic fields on the Sun, measuring the amount of magnetic energy stored in a region.

"Whereas a visible 'S'-shaped structure in a magnetic region is only a qualitative indicator of substantial stored magnetic energy, the vector magnetograph gives a quantitative indicator, telling which of two 'S'-shaped regions has the greater energy," Moore said.

This led scientists to identify a correlation between stored energy and coronal mass ejections. Areas with high levels of magnetic energy were more likely to produce solar eruptions than areas with low levels.

In seeking predictions of solar activity, zero global nonpotentiality is the space-weather version of a clear sky on Earth," Falconer said. "Regions with high global nonpotentiality have a large store of free magnetic energy available for producing coronal mass ejections."

With improvements in solar-storm prediction methods, scientists are looking to the future, when new advancements may offer the opportunity to issue solar-weather "watches," similar to tornado watches.

"A tornado watch indicates the conditions are favorable for the formation of a tornado, while a tornado warning indicates a tornado has already been sighted," Falconer said. "Right now, we're learning what signs to look for as indicators of potential severe space weather."

This advance warning will give people on Earth more time to prepare by placing satellites in a safe configuration, planning the best time for astronaut space walks or rocket launches, and implementing contingency plans to deal with any power outages.

In addition to Falconer and Moore, solar scientist Dr. Allen Gary of Marshall co-authored the study. The three researchers are part of the space science and technology center's solar physics group, which develops instruments for measuring the magnetic field on the Sun. With these instruments, the group studies the origin, structure and evolution of the solar magnetic field and the impact it has on Earth's space environment.

A collaboration that enables scientists, engineers and educators to share research and other facilities, the National Space Science and Technology Center is a partnership with the Marshall Center, Alabama universities and federal agencies. It focuses on space science, Earth sciences, materials science, biotechnology, propulsion, information technology and optics.

The NASA role in this solar physics research project is led by Marshall for the Office of Space Science at NASA Headquarters in Washington.

The writer, employed by ASRI, supports the Media Relations Department.

ENERGY TIP

When selecting an energy efficient window, ensure that the conductance of heat, or U-value, or that the resistance to heat flow, or R-value, is based on current standards set by the American Society of Heating, Refrigeration and Air-Conditioning Engineers. These values should be calculated for the entire window -- including the frame -- and not just for the center of the glass and should represent the same size and style of window.



Who am I?

Beth Partain is the executive management assistant for Center Director Art Stephenson. She previously worked for Dr. Ernst Stuhlinger, a member of the original von Braun team. She is retiring from Marshall on May 31, after 31 years of service.

Photo by Doug Stoffer, NASA/Marshall Space Flight Center

Obituaries

Brooks, **Alvis** C., **85**, of Huntsville, died April 20. He retired from Marshall in 1971 as an electronics technician.

Brown, Robert W., 85, of Enterprise, died April 20. He retired from Marshall in 1974 as a quality control engineer. He is survived by his wife, Edna Brown; two daughters, Becky Armstrong of Enterprise and Mary Lee Roberts of Gadsden; and three grandchildren.

Frederick, Paul W., 79, of Huntsville, died April 20. He retired from Marshall in 1987 where he worked in structural mechanics in the S&P Lab.

Tuggle, Richard H., 77, of Huntsville, died May 5. He retired from Marshall in 1980 as a supervision aerospace engineer. He was a U.S. Army veteran of World War II, graduate of Vanderbilt University and member of Mayfair Church of Christ. He is survived by his wife, Maxine Kennedy Tuggle; three daughters, Elizabeth Ann Tuggle, Mary Jane Tuggle Walker and Judge Susan Maria Tuggle Moquin, all of Huntsville; one brother, William Charles Tuggle of Nashville; two grandchildren; and one greatgrandchild.

Whisenant, L.D., 79, of Huntsville, died April 28. He retired from Marshall in 1985 where he was a model maker. He was the widower of Dorothy Artis Whisenant. He is survived by two daughters, Patricia W. Wallace of El Paso, Texas, and Rhonda W. Wachter of Huntsville; three brothers, Hubert Whisenant and Murray Whisenant, both of Arab, and Billy Whisenant of Guntersville; one sister, Ethel Dunn of Grant; and three grand-children.

The family of Gary A. Green would like to express to everyone our appreciation for your kind words and deeds during the sudden loss of our loved one. We acknowledge with grateful appreciation your expression of sympathy and especially want to thank our neighbors, friends, family, and co-workers for all your love and prayers.

May God bless each and every one of you, *Patti, Jessica, Grahme, and family*

Job announcements

MS02C0072, Industrial Property Management Specialist. GS-1103-09, Center Operations Directorate, Logistics Management Department, Property Management Group. Closes May 17.

MS02D0056, AST, Technical Resources Management. GS-801-07/09/11, Space Shuttle Projects Office. No closing date.

MS02D0092, AST, Aerospace Vehicle Propulsion Systems. GS-861-14, Second-Generation RLV Program Office, Propulsion Office. Closes May 21.

MS02D0093, AST, Aerospace Vehicle Propulsion Systems. GS-861-14, Second-Generation RLV Program Office, Propulsion Office. Closes May 21. MS02D0094, AST, Aerospace Flight Systems. GS-861-14, Second-Generation RLV Program Office, Systems Engineering and Integration Office. Closes May 21.

MS02D0099, AST, Liquid Propulsion Systems. GS-0861-13, Space Transportation Directorate, Subsystem and Component Development Department, Functional Design Group. Closes May 23.

MS02D0100, AST, Propulsion Flow Dynamics. GS-0861-13, Space Transportation Directorate, Subsystem and Component Development Department, Functional Design Group. Closes May 23.

MS02D0095, AST, Fluid Mechanics. GS-0861-13, Space Transportation Directorate, Subsystem and Component Development Department, Fluid Physics and Dynamics Group. Closes May 22. MS02D0097, AST, Liquid Propulsion Systems. GS-0861-13, Space Transportation Directorate, Vehicle & Systems Development Department, Systems Analysis Group. Closes May 22.

MS02D0098, AST, Liquid Propulsion Systems. GS-0861-13, Space Transportation Directorate, Vehicle & Systems Development Department, Systems Analysis Group. Closes May 22.

MS02D0101, AST, Aerospace Vehicle Design and Mission Analysis. GS-0861-13, Space Transportation Directorate, Vehicle and Systems Development Department, Vehicle Flight Mechanics Group. Closes May 22.

Center Announcements

Official badge notification

A ll Marshall Center team members wearing an "I Think Safe Because" badge must not display it in front of their official employee badge.

Auction sale Tuesday

Disposal Operations at the Marshall Center will host an auction sale Tuesday at 9 a.m. The auction will feature approximately 1,450 items including ADP equipment, test equipment and furniture. A preview will be Monday from 8 a.m.-3:30 p.m. with a preview the day of the auction beginning at 7 a.m. For more information, call Greg Tate at 544-1774.

Supplies and Materials process changing Tuesday

Beginning Tuesday, the Logistics Services Department will issue supplies and materials at Bldg. 8023 to customers only on Tuesdays and Thursdays from 7:30 a.m.-3:30 p.m. For emergency issues, contact Robbie Saint at 544-9618 or 651-5009. Services at the substore in Bldg. 4471 are not affected by this change.

University scholarships available

Two university scholarships for sponsored by the Marshall Association are available for incoming freshmen in September. Both technical and nontechnical scholarships will be awarded. The Association will accept applications for the scholarships until July 31. Completed applications should be submitted to Cliff Bailey in CD20 or call 544-5482.

Thrift Savings Plan for Marshall employees open

arshall employees can change their contributions to Thrift Savings Plan accounts until July 31. Employees also may begin contributions to their accounts during this period. Those electing to enroll or increase funds in the plan can obtain a TSP-1 Form from www.tsp.gov. There are five different funds to choose from. For more information, call Ginger Martin at 544-5654 or Debbie Allen at 544-7536.

Six Sigma executive session open May 30-31.

Participant registration is open for a two-day course in Six Sigma. The course is designed for NASA managers and leaders interested in learning how Six Sigma can be applied to their work. Six Sigma is a process for improving quality in reliability and system functionality. This session hopes to attract managers and leaders willing to explore a new way off doing business. To get an application, go to http://appl.nasa.gov/managers/schoollhouse/registration.htm. Completed applications should be submitted no later than Monday. For more information, call Tina Smith at 544-7834.

Blood drive Friday at Marshall

A merican Red Cross volunteers will be at Bldg. 4315 from 8 a.m.-1:30 p.m. Friday for a blood drive.

Clubs and Meetings

Property management group hosting 2002 training

The Marshall Center Property Management Group is hosting the National Property Management Association Rocket City Chapter on Tuesday from 8 a.m. to 4 p.m. for spring 2002 training. The training is open to all Marshall team members associated with the National Contract Management Association, National Property Management Association, National Association of Purchasing Management or the International Facility Management Association. For more information, call Debie Grissom at 544-6572.

Engineering Society meeting is May 23

The American Society for Engineering Management (ASEM) will meet May 23 at Papa Lovetti's at University Drive and Sparkman. The topic for this month's

meeting is "Business Incubation" featuring guest speaker Joanne Randolph, president and chief executive officer of BizTech. The meeting is from 11:30 a.m.-1 p.m. Upon arrival, please pay the cashier and ask for the ASEM meeting. For more information, contact Kenneth Sullivan at (256) 313-6172.

Weight Watchers program open

A new 15-week series will begin May 23, which costs \$159 for new and non-lifetime members. For more information, contact Rachael Thompson at 544-1525.

MARS Ballroom Dance Club lessons

The MARS Ballroom Dance Club is scheduling tango and mambo dance lessons, every Monday night in May. The lessons take place at St. Stephens Episcopal Church on Whitesburg Drive. Intermediate lessons are from 7-8 p.m. and beginners from 8-9 p.m. Tom Langford, certified dance instructor, will teach the classes. The cost is \$7 per person, per class. Call Woody Bombara at 650-0200 for more information.

'Leadership' topic of Marshall Association meeting in May

The 2002 Marshall Association's May luncheon will feature retired Marshall employee Jim Odom. The meeting will be May 23, at the Redstone Officers' and Civilians' Club from 11:30 a.m. to 1 p.m.

Huntsville Genealogical Computing Society meets Monday

The Huntsville Genealogical Comput ing Society meets at 7 p.m. Monday in thee auditorium of the main branch at the Huntsville-Madison County Library. Rhonda Larkin, archivist for the Madison County Court Records Office of Probate Judge, will present a program on "Archiving Madison County Alabama Records." Visitors are welcome.

Employee Ads

Miscellaneous

- ★ Computer, 500 Mhz Pent. III system, Dell Dimension L500R, 56K, 3.2Gig, \$325. 881-2182/337-2652
- ★ Large entertainment center w/doors, \$75; two formal table lamps w/shades, \$75, 461-8721
- ★ GE washer, \$75; GE dryer, \$100; Kenmore refrigerator, 16 cu. ft., frost free, \$125. 837-6649
- ★ Ladies' Fuji 10-speed touring bike from 1970s, \$90; men's Peugeot, 10-speed, new tires, \$100. 772-1974
- ★ Gasoline edger, heavy duty, new engine, \$100 obo. 539-7857
- ★ Riding lawn mower, Dynamark, 12HP, 42" cut, 5-speed, 1 yr. old, \$550. 881-1328
- ★ Folding ping-pong table, \$60. 881-8674
- ★ Heywood-Wakefield twin bookcase headboard and frame, \$75; Russian Xenit 35mm SLR camera, \$50. 350-7461
- ★ Sun monitor, 16" Sony Trinitron fixedfrequency monitors, \$15. 256-837-0656
- ★ Two large American Tourister on rollers, \$55 each. 256-837-0786
- ★ 1991 Skeeter 175SX bassboat, 150XR4 Mercury, trailer; Motorguide trolling motor; Hummingbird LCR/Lowrance depth-finders. 519-2797
- ★ Wingback chair, \$65; antique desk and chair, \$450; American Tourister on wheels, \$55. 256-87-0786
- ★ Hotpoint no-frost refrigerator/freezer, 17.7 cu. ft., \$125. 534-9780
- ★ Folding tables, 6' and 8', \$10 each. 882-9417
- ★ Whirlpool washer and dryer, new, \$200. 961-4942
- ★ Brother HL-1250 laser printer, 12ppm, needs toner cartridge, \$175; ScanMaker X6EL, non-USB, \$25. 217-6372
- ★ Tennis stringing machine, portable, manual, new, trade show OEM model, \$69. 289-3804
- ★ Wedding dress, white, sweetheart neckline, train with hearts, veil

- included, size 12, \$375 obo. 858-5552
- ★ IH planter, 4 row, w/mounted 200 gallon spray tank, \$950. 852-5446
- ★ Sega Dreamcast, 2 controllers, 2 VMUs, audio/S-video cable, 6 games, \$90. 325-6885
- ★ Nikon N70 w/28-100mm & 100-300mm Tamron AF lenses, case and filters included, \$500. 205-647-4949
- ★ Wheel Horse riding mower, 12.5HP, 37" deck, hydro-transmission, 335 hrs., \$850. 830-6584
- ★ Lazy Boy rocker/recliner, Early American, gold fabric, wood arm rests, \$80, 256-881-1249
- ★ Two twin day beds, mattresses, bedspreads w/matching cushions, and corner table, \$250. 533-4824
- ★ Green wrought iron table and chairs, barrel back, \$150. 539-7857
- ★ Whitewash dining room table w/2 leaves, 6 chairs, round backs, w/rattan & upholstered seats, \$400. 882-9785
- ★ Single waterbed, honey maple w/brass trim, includes heater, comforter and bedding, \$150. 859-0729
- ★ Two desks, 36"x48"; quilt, blue, purple, green; quilt, brown, green. 256-232-8709
- ★ Two cemetery lots, Valhalla Memory Gardens, Lot 131, Block A. Section 4, \$1,400 each. 256-534-5832
- ★ Nokia 6120i cell phone w/charger, dual-mode, used w/BellSouth network, works w/Suncom, Cingular, Corr, \$15. 325-6000

Vehicles

- ★ 1998 Ford Ranger XLT, auto, green, 2-door, extended cab, 25K miles, a/c, cruise, bedliner, \$10,500. 256-878-5159
- ★ 1999 red corvette coupe, loaded, both tops, automatic, extended warranty, \$20K miles, \$34,000. 325-3038
- ★ 1999 Pontiac TransAm, 6-speed, all-power, chrome wheels, T-tops, 47K miles, \$17,500. 830-4846
- ★ 1969 Volkswagen Beetle, 1500 cc, 4speed manual, needs engine work, \$1,000 firm. 772-9168
- ★ 1992 Nissan 300Z, twin turbo, maroon, chrome wheels, CD, T-top, 94K miles, \$12,000. 256-859-2667/256-525-5414

- ★ 1996 Mitsubishi Montero, 4x4 SUV, 7passenger, auto, 10 CD-changer, 72K miles, \$9,900. 714-3576
- ★ 1994 Camaro, V6, 5-speed, 95K miles, alloy wheels, new tires, a/c, 27+mpg, \$4,950 firm. 256-753-2278
- ★ 1969 RS Camaro, \$4,000; 1967 Camaro convertible, \$8,000; 1955 Chevy hardtop, \$1,500. 256-316-1880
- ★ 1998 Pontiac Grand Am, 77K miles, a/c, cruise, power windows, tint, \$6,900. 920-0000
- ★ 1970 Nova SS 327, Holley intake, cam, flowmasters, new tires. 256-582-3032
- ★ 1987 Mercedes 190E, auto, 107K miles, sunroof, new tires, \$1,990 firm. 961-9533
- ★ 1999 Corvette coupe, red, loaded, both tops, automatic, extended warranty, 20K miles, \$31,500. 325-3038
- ★ 1994 Honda Accord LX, 51K miles, maroon/gray interior, automatic, AM/FM cassette, \$8,500. 895-9589
- ★ 1993 Chevrolet Silverado, ext. cab, 135K miles, V8 305, \$6,000. 797-6173
- ★ 1998 Mazda 626 LX, black, 79K miles, CD, auto, PW/PDL, asking \$7,500. 256-379-4760
- ★ 1997 Nissan Quest XE minivan, V6, automatic, PW/PD/PM, cruise, rear a/c, 88K miles, \$7,000 obo. 256-586-9813
- ★ 1998 Ford Taurus, white/tan interior, loaded, 81K miles, \$6,500. 878-1485
- ★ 1989 Ford Crown Victoria, all power, driven daily, 117K miles, \$1,950. 232-1171

Wanted

- ★ First day issue stamps. 881-6595
- ★ VHS camcorder (not 8mm). 852-4406
- ★ Nintendo 64 system w/game cassettes. 880-8008
- ★ Dog house for large dog. 851-2929
- ★ Room mate, non-smoker, \$300, includes everything. 256-536-8107
- ★ Baby clothes for boy, size 12 months and above; high chair. 858-5552

Found

★ Car key on 5/6/02 outside Credit Union, Bldg. 4202. Call 544-4655 to claim

Free

★ Bricks, cinder blocks, wood, kindling. 882-3387

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